



Emissions Test Requirements for Modified and Historic Vehicles

Gateway Clean Air Program fact sheet

8/2004

Most vehicles registered in the city of St. Louis and St. Charles, Jefferson, St. Louis and Franklin counties must be tested under the Gateway Clean Air Program. Vehicles of all models that are 26 years old or older are exempt from all testing. Diesel, propane or other alternate fuel vehicles remain exempt, as do motorcycles and vehicles with a gross vehicle weight rating (GVWR) of more than 8,500 pounds. The weight rating is usually found on a label on the inside of the driver's door.

Vehicles must meet certain emissions standards depending on their year and model. This fact sheet will tell vehicle owners what standards their specialty cars must meet during the emissions test.

Reconstructed vehicles and non-USA standard vehicles

The vehicle will be tested according to its title year unless approval is obtained from the Missouri Department of Natural Resources to test based on the model year of the engine.

Vehicles with switched or replaced engines

The vehicle will be tested based on its vehicle model year. Engine switching is legal only if the resulting engine-chassis configuration is equivalent to a federally certified configuration of the same or newer model year vehicle. The resulting configuration must have all emissions control devices federally required of that vehicle. Vehicles in violation of this rule will not be issued an emissions waiver.

Engines replaced prior to July 1, 1992, are grandfathered and allowed to be older than the vehicle. These vehicles will be tested according to the model year of the vehicle unless approval is obtained from the Department of Natural Resources to test the vehicle according to the engine's model year.

Specially constructed vehicles

Vehicles titled by the Missouri Department of Revenue as "specially constructed" or as "kit cars" will be emission tested using a single speed idle test. The test standards are fixed at 500 parts per million for hydrocarbons and 5 percent for carbon monoxide.



Vehicles with missing, modified, disconnected or improperly connected emission control devices

The Gateway Clean Air Program currently inspects the following five emission control devices when applicable: the catalytic converter, the exhaust gas recirculation valve (EGR), the positive crankcase ventilation valve (PCV), the air injection system and the evaporative emission system. These devices are inspected only if the vehicle fails the emissions test. All of the required devices must be present and working for the vehicle to be eligible to receive a waiver. The Missouri State Highway Patrol, Motor Vehicle Inspection Division requires these devices to be present and operating prior to a Missouri Safety Inspection approval.

Exhaust configurations

A vehicle's exhaust system must meet manufacturer's certification for the engine-chassis configuration. Modifications to an exhaust system may violate sections of the federal Clean Air Act.

Historic Vehicles

According to state statutes, any motor vehicle more than 25 years old that is owned solely as a collector's item and is used or intended to be used for exhibition and educational purposes can be registered as a historic vehicle. When historic plates are initially registered, a vehicle emissions test is not necessary.

Additional information

For more information about the emissions test, call or write:

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